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Application No. 10/539,212

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Response to Office Action dated May 23, 2008

Docket No.: 60384(71699)

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of reducing, or inhibiting invasiveness and metastasis of tumor cells in a subject, wherein the tumor cells produce Gb₃, comprising administering to the subject a therapeutically effective amount of a B-subunit of Shiga toxin.
2. (Original) The method of claim 1, wherein the tumor cells are colon tumor cells.
3. (Currently Amended) The method of claim 1, wherein the tumor cells are ~~derived from~~ a tissue selected from the group consisting of: colon, lung, brain, skin, ovary, pancreas, liver, stomach, bladder, bone, testicle, uterus, adipose tissue, throat, kidney, tongue, pituitary gland, thyroid, lymphoid tissue, eye, and cervix.
4. (Previously Presented) The method of claim 1, wherein the B-subunit of Shiga toxin is Stx1B.
5. (Previously Presented) The method of claim 1, wherein the B-subunit of Shiga toxin is Stx2B.
6. (Previously Presented) The method of claim 1, wherein the therapeutically effective amount of the B-subunit of Shiga toxin is administered prior to the onset of metastasis by the tumor cells.
7. (Previously Presented) The method of claim 1, wherein the therapeutically effective amount of the B-subunit of Shiga toxin is administered subsequent to the onset of metastasis by the tumor cells.

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8. (Previously Presented) The method of claim 1, further comprising administering to the subject a therapeutically effective amount of radiation.

9. (Previously Presented) The method of claim 1, further comprising administering to the subject a therapeutically effective amount of at least one chemotherapeutic agent.

10. (Cancelled)

11. (Previously Presented) The method of claim 1, wherein the subject is a human.

12. (Previously Presented) The method of claim 1, wherein the B subunit of Shiga toxin is conjugated to a therapeutic moiety.

13. - 17. (Cancelled)

18. (Currently Amended) A method of preventing, reducing, or inhibiting invasiveness and metastasis of colon tumor cells in a subject, wherein the tumor cells produce Gb₃, comprising administering to the subject a therapeutically effective amount of a B-subunit of Shiga toxin.

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